

19981223.ba v02_n348.bam.981223 v02_n349.bam.981223

>From ???@??? Wed Dec 23 12:29:04 1998
Message-Id: <199812231449.IAA27623@sco.theporch.com>
Date: Wed, 23 Dec 1998 08:48:29 CST
Subject: BOATANCHORS digest 2348

BOATANCHORS Digest 2348

Topics covered in this issue include:

- 1) DX-100 audio distortion follow up...
by jim lockwood <jmlckwd@mindspring.com>
- 2) NC-183D advertised is sold.
by W4U0C@aol.com
- 3) hetrodyne question:RME45
by dave metz <metzd@cfw.com>
- 4) Mystery Aircraft Tuner
by arc5@ix.netcom.com
- 5) Knight VFO for sale
by Kim Herron <kherron@voyager.net>
- 6) Free - SX-110 dial glass
by "Robert Nickels" <ranickel@mwci.net>
- 7) FS: National NC-188 receiver
by Robert Lawson <lawson_r@popmail.firn.edu>
- 8) Port & Starboard Antennas
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 9) NEUTRALS
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 10) Re: Port & Starboard Antennas
by Al Klase <skywaves@bw.webex.net>
- 11) [Fwd: FS/FT SB401/SB301/SB600]
by George T Folse III <kb5ww@bellsouth.net>
- 12) Re: Port & Starboard Antennas
by Henry van Cleef <vancleef@netcom.com>
- 13) Re: Port & Starboard Antennas
by Jerry Proc <jproc@idirect.com>
- 14) Re: Port & Starboard Antennas
by Jack Harper <jharper@bsi2000.com>
- 15) REQ: #1490 Lamp info
by "Robert P. Okas" <vintage@best.com>
- 16) Re: REQ: #1490 Lamp info
by Charles Ring <charlesr@infonline.net>
- 17) Re: NEUTRALS
by CARRJJ@aol.com
- 18) Re: German WW2 Procurement
by midshires@cix.co.uk (Andrew Emmerson)
- 19) Re: NEUTRALS

by midshires@cix.co.uk (Andrew Emmerson)
20) How about we NOT push the envelope?
by listown@jackatak.theporch.com (List Admin/Owner Radio Mail Lists)
21) Ham Repair Address
by Sandra L Knepper <slkst29+@pitt.edu>
22) Re: REQ: #1490 Lamp info
by Garey Barrell <k4oah@mindspring.com>

Message-Id: <3.0.32.19981222155905.00764758@pop.mindspring.com>
Date: Tue, 22 Dec 1998 15:59:49 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: jim lockwood <jmlckwd@mindspring.com>
Subject: DX-100 audio distortion follow up...
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi again Gang,

It's no warmer now in the Sierra Nevada than it was when I posted my plea for help the other day, but *lots* of BA list members have warmed to the idea of helping me find and fix the problem. Thank you all!

In particular, thanks to Gerald, K6QY, who patiently listened to the audio from my DX-100B and found the most diplomatic ways possible to be brutally honest in his assessment of it. (And I'm serious about this.... I didn't want a sugar coated audio report; I wanted to know what was going on. Gerald told me.)

Several people contacted me with messages of the form "I'm having trouble too; if you find out what's going on, please let me know." So, I thought I would use this forum to distill and share the suggestions I've received thus far. Life has interfered in the diagnosis of the problems of my own DX-100B, so I haven't had a chance to do any further experimenting. When I do get back to it (in a day or so), I'll post my findings.

A quick summary of the problem I'm chasing: The modulated RF waveform from my DX-100B looks (to me) as if there is crossover distortion in the audio waveform. I see this when I scope the RF output of the transmitter. Inside the audio circuits, the audio waveform is an accurate duplicate of the input right up to and including the grids of the 1625 modulators.

In no particular order, here are the thoughts and suggestions I've received:

1. The modulation transformer in the DX-100 doesn't have enough iron in it to accurately reproduce the audio waveform and the distortion is just the way things are.

2. Increase modulator idling current to reduce the crossover distortion.
3. Maybe this is just a characteristic of the DX-100 and applying some negative feedback will help.
4. Unhook the RF PA from the modulator and substitute and suitably capable, non-inductive power resistor. Check the audio waveform as it appears across this resistor. (Several people suggested this.)
5. Balance the modulator tubes to achieve a symmetrical waveform about the zero axis. (There is not widespread agreement on this one. Some people also said that balancing the tubes isn't necessary.)
6. Try a different pair of 1625s.
7. Look also at the RF section. Be sure it has enough drive and that the drive doesn't droop with modulation. Check bias, screen voltage, etc. on the RF PA--make sure it is 100% by-the-book. Also, try changing the PA tubes. (I would never have thought of doing this. But one particular case of audio distortion that I know of was cured by this simple step.)
8. Check the grid bias on the 1625s. Bypass it with an electrolytic cap or derive it from a 33 Volt Zener (instead of from the stock, resistive divider).
9. Try reversing the plate caps on the 1625s. (Several people suggested this.) The lack of symmetry in the waveform of the human voice can be used to good advantage here: Hook up the plate caps such that the lesser amplitude voice peaks will modulate in the negative direction.
10. The modulation transformer could have some shorted turns.
11. There could be excessive loading of the modulator due to improper (meaning excessive) loading of the RF section.
12. Disconnect modulation transformer completely and apply normal 12V AC to secondary. While doing this, scope the primary halves and look for symmetry. (A way of checking for #10, above).

And my personal favorite:

13. Run FSCK on the 1625 sockets. (Someone has spent too much time hacking UNIX, and not enough time looking at glowing filaments!)

So, there you have it. Like I said, my query to the list generated a *lot* of valuable ideas and suggestions that I intend to try Real Soon Now. This "boatanchors" list was named in honor of the venerable Heath DX-100

transmitter (and its descendent, the Apache). It's good to see that these old rigs can still inspire list members to offer up their wisdom and experience for the benefit of others.

73,

Jim - K4CCF

(formerly KM6NK, WA4K00, WN4K00)
Looking for original QSL cards from K4CCF

<http://www.mindspring.com/~johnmb/radiorm1.htm>

From: W4UOC@aol.com
Message-ID: <4b14fafe.36804630@aol.com>
Date: Tue, 22 Dec 1998 20:24:00 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: NC-183D advertised is sold.
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The 183-D, I advertised earlier today, has been sold.

Tom Koch - W4UOC
Atlanta, GA.

Message-Id: <2.2.32.19981223013825.006c73b8@mail.cfw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 22 Dec 1998 20:38:25 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: dave metz <metzd@cfw.com>
Subject: hetrodyne question:RME45

I recently turned on a RME45 that has been sitting idle for a couple of years since I went through it and replaced most of the caps and some resistors. When I put it away, it seemed to be working just great. Now I am getting a very annoying het between adjacent stations as if the BFO is on, which it isn't. The radio still seems very sensitive and the dial calibration seems very close. My question would be what could cause adjacent station hets? While I hope this question isn't too basic, I would sure appreciate any tips in troubleshooting. In advance, thanks.

73's

dave

From: arc5@ix.netcom.com
Date: Tue, 22 Dec 1998 20:04:01 -0600 (CST)
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <1998122220154341@>
Subject: Mystery Aircraft Tuner
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

If you know anything about aircraft antenna tuners,
please look at:

<http://pw1.netcom.com/~arc5/tuner.htm>

I have a "mystery" tuner and hope you can
shed some light on it.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Occupied Texas, CSA

Message-Id: <3.0.6.32.19981222212902.007bb950@pop.voyager.net>
Date: Tue, 22 Dec 1998 21:29:02 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Kim Herron <kherron@voyager.net>
Subject: Knight VFO for sale
Cc: boatanchors@sco.theporch.com, antiquewirelessassociation@e-groups.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

I have a project, or a parts box, here for sale. It is a Knight VFO,
one like would go with a T-50 transmitter. It looks really nice but it's
in pieces. However it's all there. But I don't have a manual for it. So
if someone needs parts, here's the donor. Or if someone wants to get a
manual, and repair it, Here's a VFO. For \$20.00 it's tough to go wrong,
but I'll let you be the judge of that. Anyway, first person that says
"Yeah, I want it!!" gets it. let me know. Thanks for reading.

73

Kim W8ZV

Message-ID: <020501be2e1d\$963a8760\$d12fcfd1@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Free - SX-110 dial glass
Date: Tue, 22 Dec 1998 20:36:13 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a dial glass for an SX-110 which is in pretty good condition except the logging scale numbers from 0 to 40 are missing (the rest of the marks are fine). Yes, I'm the dummy who used Windex to try to clean the thing and it dissolved the letters before I knew what happened! Older and wiser now.

If anyone can use this one, it's free for the cost of shipping. Happy Holidays!

73, Bob W9RAN

Date: Tue, 22 Dec 1998 21:02:16 -0500
From: Robert Lawson <lawson_r@popmail.firn.edu>
Subject: FS: National NC-188 receiver
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <36804F28.1ACA@popmail.firn.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I have for sale a National NC-188 general coverage receiver. Excellent condition. .5 through 40 mhz. Original paint and knobs. No modifications. No scratches or dents. Re-tubed and operational. Photocopy of manual.

\$125.00 plus shipping from 32514.

Regards,

Robert W4RL

Message-ID: <002b01be2e27\$667071c0\$77582299@default>
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Port & Starboard Antennas

Date: Tue, 22 Dec 1998 22:50:34 -0500

Hi all:

First, thanks to all who replied to my query on KLIM. It was a very informative session.

I have another question that I will try to verse in BA acceptable terms. On board the USS The Sullivans the WRC-1 is connected to the Port Vertical (36') and the R390A is connected to the Starboard vertical (22+'). My question - How did Port come to represent the left side of the ship facing for'd (I sound like a sailor!) and Starboard come to represent Right. Enough bandwidth - Help, please!

Paul B. W2TU/NNN0GNB

w2tu@email.msn.com

<http://www.geocities.com/~dd537>

Date: Tue, 22 Dec 1998 23:09:42 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: NEUTRALS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199812222310_MC2-6488-7BE2@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

> This is not terribly reprehensible; neutrals are obligated to trade with
h
whoever comes, or they won't be neutral very long.
<

I know that this is not a political forum, but given that, the above statement should not have been made. It turned my stomach. I am not going to attribute it, but as a human being, I totally disagree. It WAS terribly reprehensible. The governments of neutrals like Portugal and Switzerland knew exactly what the Nazis and the Japs were doing - they were murdering people. No amount of apology will ever change that. Selling them 6L6's

and HRO dials helped them kill millions of innocent people. The question=

shouldn't have been how they could remain neutral. The question was how

COULD they remain neutral. =

Robert Downs

Message-ID: <36807303.BAD8C2DF@bw.webex.net>
Date: Tue, 22 Dec 1998 23:35:15 -0500
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Port & Starboard Antennas
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul and the Group,

Well, I didn't find this real stisfying. There's a bunch of Marine
Etymology stuff at
<http://pc-78-120.udac.se:8001/WWW/Nautica/Etymology/Etymology.html>
Most of the references assume evryone knows what port and larboard are.

FROM: A Dictionary of Sea Terms from Darcy Lever: The Young Sea
Officers Sheet Anchor; or, a key to the
leading of rigging, and to practical seamanship, London, 1808.

Starboard.
The right side.

Larboard.
The left Side.

Port.
To the left side. This term is used to the Helm's-man to put the
Helm to the left, instead of the word "larboard" - to make a distinction
from the affinity of sound in the word starboard.

73.
Al

Paul Bernhard Sr. wrote:

>
> Hi all:
> First, thanks to all who replied to my query on KLIM. It was a very

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> question - How did Port come to represent the left side of the ship facing
> for'd (I sound like a sailor!) and Starboard come to represent Right. Enough
> bandwidth - Help, please!
>
> Paul B. W2TU/NNN0GNB
>
> w2tu@email.msn.com
>
> <http://www.geocities.com/~dd537>

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-ID: <36807E9F.56DB@bellsouth.net>
Date: Tue, 22 Dec 1998 23:24:47 -0600
From: George T Folse III <kb5wwwo@bellsouth.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Heath List <heath@listserv.tempe.gov>
Subject: [Fwd: FS/FT SB401/SB301/SB600]
Content-Type: message/news
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Path: news2.mia!newsfeed.mia!newsfeed.atl!news2.mia.POSTED!not-for-mail
Message-ID: <36807E09.197A@bellsouth.net>
From: George T Folse III <kb5wwwo@bellsouth.net>
Reply-To: kb5wwwo@bellsouth.net
X-Mailer: Mozilla 3.01C-BLS20 (Win95; U)
MIME-Version: 1.0
Newsgroups: rec.radio.amateur.boatanchors
Subject: FS/FT SB401/SB301/SB600
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Date: Wed, 23 Dec 1998 05:19:12 GMT
NNTP-Posting-Host: host-209-214-151-226.msy.bellsouth.net
NNTP-Posting-Date: Wed, 23 Dec 1998 00:19:12 EST
Xref: newsfeed.atl rec.radio.amateur.boatanchors:1060462

All,

I have for sale a SB401,SB301,SB600 in ex condition The only thing I don't like is the previous owner had repainted the 301 and did not do too good of a job. The 301 has all the filters,all units work real good. \$250,or will trade for a reciever of equal value and condition,Hammarlund,Hallicrafters,National rec.is what I am looking for.
Thanks,
George

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199812230527.VAA25814@netcom13.netcom.com>
Subject: Re: Port & Starboard Antennas
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 22 Dec 1998 22:27:12 -0700 (MST)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Paul Bernhard Sr. discourses

>
> I have another question that I will try to verse in BA acceptable terms.
> On board the USS The Sullivans the WRC-1 is connected to the Port Vertical
> (36') and the R390A is connected to the Starboard vertical (22+'). My
> question - How did Port come to represent the left side of the ship facing
> for'd (I sound like a sailor!) and Starboard come to represent Right. Enough
> bandwidth - Help, please!

>
Well, since it has to do with antennae, the terms "starboard" "port"
and "larboard" are much older than hollow state electronincs.

"Starboard" is "steering side" (bord or board is "side of a ship").
This dates back before the invention of a rudder post and central
rudder, when steering was provided by an oar on the right rear.

"Larboard" is "ladde" or "lading" side. Later "port" because it is
the side the faces the port facilities when docked (so as to avoid
fouling the steering oar).

Unlike a lot of radio terms, which were hatched up out of Greek or
Latin notions in the last 100 years, most ship terms, and terms used
in other old crafts trades have been carried forward from Old English
and Anglo-Saxon terms, and date from pre-High-Medieval (i.e. pre
conquest in 1066) times.

--

=====

Hank van Cleef

=====

Message-ID: <36808855.FF9FB526@idirect.com>
Date: Wed, 23 Dec 1998 01:06:13 -0500
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Port & Starboard Antennas
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Paul,

Eons ago, before ships had rudders as we know them today, they had a "steering board" mounted on the right side near the stern. It was mounted there because most sailors were right-handed. Over the centuries, the word "steerboard" became "starboard" and is equated to the right side of a ship. Having said that, how do we get the left side to be port? Easy...

When the ship was docked, it was important that the steerboard face open water otherwise it might get damaged against the dock by wave action. To prevent damage, the left side of the ship was always moored to the dock and always faced port. That's the association with the left part of a ship.

I used to have trouble remembering the RED/GREEN colours for port/starboard. Here's a memory aid:
Port (the drink) reminds me of red wine, so I associate it with red. By default the right side has to be green. All of the above applies to aircraft as well.

Paul Bernhard Sr. wrote:

> My
> question - How did Port come to represent the left side of the ship facing
> for'd (I sound like a sailor!) and Starboard come to represent Right.

--

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

Message-Id: <3.0.1.32.19981222233959.00fa9f1c@mail.bsi2000.com>
Date: Tue, 22 Dec 1998 23:39:59 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Jack Harper <jharper@bsi2000.com>
Subject: Re: Port & Starboard Antennas
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:06 AM 12/23/98 -0500, Jerry VE3FAB wrote:

<snip>
>I used to have trouble remembering the RED/GREEN colours for port/starboard.
>Here's a memory aid:
>Port (the drink) reminds me of red wine, so I associate it with red. By
default
>the right side has to be green. All of the above applies to aircraft as well.
>
<snip>

Another method, FWIW, that I used back in my old flying days was RED =
Communist = Leftist = Left

I occasionally needed all the help I could get to quickly figure out if a
plane in front of me at night was approaching or receding...

Best regards for the Holidays...

Jack, W0YJ (Friend to all things Hammarlund)

Jack Harper
303-231-9095

BSI2000, Inc.
Lakewood, Colorado USA

"Optical Cards... A Spectrum of Solutions"
Optical Cards for Bank, EBT, and Medical Applications
Visit our Web Page: <http://www.bsi2000.com> (Last Update: 980421)

Date: Tue, 22 Dec 1998 23:16:52 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: REQ: #1490 Lamp info
Message-ID: <Pine.BSF.4.05.9812222312290.13272-1000000@shell14.ba.best.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Holiday Greetings Folks!

I'm in the final stages of restoring a BC radio Christmas gift. I need info on a No. 1490 bayonet lamp. It's part of the heater string of an octal AA5. Is this critter equivalent to a No. 47?

TIA & 73,
Bob - W3CD

Message-ID: <3680A0A4.511F72C4@infonline.net>
Date: Wed, 23 Dec 1998 02:49:56 -0500
From: Charles Ring <charlesr@infonline.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: REQ: #1490 Lamp info
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Robert P. Okas wrote:

> Holiday Greetings Folks!
>
> I'm in the final stages of restoring a BC radio Christmas gift. I need
> info on a No. 1490 bayonet lamp. It's part of the heater string of an
> octal AA5. Is this critter equivalent to a No. 47?
>
> TIA & 73,
> Bob - W3CD

1490: 3.2 volts, 0.16 amps.

73 de W3NU

From: CARRJJ@aol.com
Message-ID: <6e8e9456.3680c4a9@aol.com>
Date: Wed, 23 Dec 1998 05:23:37 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: NEUTRALS
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

On a higher level of abstraction you are correct...how could they remain neutral. But it's also true that the Swiss level of abstraction was modulated by the prospect having 20 Waffen-SS panzer divisions cross their border. Besides, what is crystal clear to us, with the advantage of historical hindsight, was not entirely clear to contemporaries.

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 23 Dec 1998 11:55 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: Re: German WW2 Procurement
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981223115552.39629N@midshires.compulink.co.uk>

It wasn't just the Germans who carried on 'business as usual' through neutral countries. In Britain the use of metal for making toys was banned so what did we do? Simple, we imported German tin toys through Switzerland! A keen toy collector has shown me examples of army trucks -- the home market version with German Army markings and the export version in plain green!

An excellent book to read is the hardback Trading With The Enemy by Charles Higham, which Barnes & Noble is now knocking out at a bargain price. A chapter describes how RCA and ITT continued trading with Axis countries through their South American subsidiaries and how an ITT company in Germany (Lorenz) produced sophisticated communications equipment for the Wehrmacht. Other chapters cover the involuntary but crucial contributions of the Ford Motor Company and Standard Oil to the German economy and campaign.

All the institutions of international banking remained in force throughout the war and there have been some fascinating documentaries on television lately how British, American and German bankers conducted extremely friendly relations throughout the war in neutral Switzerland. It is now well known that Switzerland profited greatly from this trading and this is also connected with the (to me justified) claims that Jews are now making on several countries' banking systems.

It is also worth noting that powers on both sides of the conflict continued to buy each other's technical literature through booksellers in neutral countries.

All this may not be directly related to BA equipment but knowledge of international commerce provides valuable background understanding.

Andrew Emmerson

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 23 Dec 1998 11:55 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: Re: NEUTRALS
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981223115558.396290@midshires.compulink.co.uk>

>Selling them 6L6's and HRO dials helped them kill millions of innocent people. The question shouldn't have been how they could remain neutral. The question was how COULD they remain neutral.

Are you criticising neutrality? It's something that the Swiss (and other countries) have cherished for hundred of years. You might as well dissolve the United Nations as well in that case.

The truth is that all's fair in love and war, and a genuinely neutral country cannot, by definition, pick and choose its trading partners. Even the USA found that out during WW2; as you'll see from my other posting, US companies played a major part supplying the USA's enemies during WW2. It may be painful but it's true!

Andrew Emmerson

Message-Id: <199812231312.HAA09967@jackatak.theporch.com>
From: listown@jackatak.theporch.com (List Admin/Owner Radio Mail Lists)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: How about we NOT push the envelope?
Date: Wed, 23 Dec 1998 7:12:01 -0600 (CST)

Seasons Greetings, Folks-

I have noticed that, absent a "jackatak" that ya'll just can't help but go WAY off topic...

This little reminder is a request for help from all of you.

I am BURIED in personal things and work, and I am way way far behind in handling some administrative tasks (like adding new people who want in, and posting payments and culling the list membership of the deadbeats who haven't yet paid -- I am counting on being able to get caught up over the next few days, so if you haven't paid, send me an

email with your payment intentions or be prepared to be shut off)

I mention being busy so you will understand when I fly off the handle at requests for advice on what to buy for a new computer (Big tube my ass!) or offers to sell filters for a Japanese solid-state rig... and procurement procedures during WWII... KNOCK IT OFF!!!!!! PLEASE!!!

How about ya'll make my Holiday Gift staying on topic and keeping your comments germane to the spirit of the list? That way I won't have to start heaving people into the "Penalty Box" -- I really hate that part!

If you have ANY doubt that you might be a tad off-topic, DON'T POST!!! Simple, isn't it? PLEASE help me out here, cuz I have enough headaches without adding a bunch of my BA friends to the mix!

Let me know how I can help

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"

Date: Wed, 23 Dec 1998 09:35:18 -0500 (EST)
From: Sandra L Knepper <slkst29+@pitt.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Ham Repair Address
Message-ID: <Pine.GS0.3.96L.981223093402.25416C-100000@unixs2.cis.pitt.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know of a repair service near Atlanta, Georgia, called "Ham Repair." I need to know if they have an e-mail address or website.
Thank you.

Dave, W3ST
Publisher of the Collins Journal
Homepage: <http://www.pixi.com/~jenkins/collins>

Message-Id: <3.0.1.32.19981223094732.006902d8@pop.mindspring.com>
Date: Wed, 23 Dec 1998 09:47:32 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Garey Barrell <k4oah@mindspring.com>
Subject: Re: REQ: #1490 Lamp info
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HI Bob -

Nope.. I have the same problem with one I am just beginning to restore. The 1490 is a 3.2 v at 150 mA bulb. In my radio, there are two of them in series to provide the 6-8v that the 35Z5 likes to see across part of it's filament. I'd be surprised if you have only one in that position. If there really is only one, then a 47 would be the bulb of choice! My radio is a slide rule dial, and has one at each end.

So far, a limited search has failed... Radio Shack may have them in their order catalog, but I bet they are not cheap!

Hope this helps.

73, Garey - K40AH

At 11:16 PM 12/22/98 -0800, Robert P. Okas wrote:

>Holiday Greetings Folks!

>

> I'm in the final stages of restoring a BC radio Christmas gift. I need
>info on a No. 1490 bayonet lamp. It's part of the heater string of an
>octal AA5. Is this critter equivalent to a No. 47?

>

>TIA & 73,

>Bob - W3CD

>

>

End of BOATANCHORS Digest 2348

>From ???@??? Wed Dec 23 19:12:33 1998

Message-Id: <199812232051.0AA00627@sco.theporch.com>

Date: Wed, 23 Dec 1998 14:51:24 CST

Subject: BOATANCHORS digest 2349

BOATANCHORS Digest 2349

Topics covered in this issue include:

- 1) Re: [National] HRO Speakers
by Bob Roehrig <broehrig@admin.aurora.edu>
- 2) the RT-3
by "The Harrahs" <harrah@ia.net>

- 3) FS/FT SB401,SB301,SB600
by George T Folse III <kb5ww@bellsouth.net>
- 4) NEED NCX-A Spkr PS
by Dan Arney <kn6di@groupone.net>
- 5) Hallicrafters HA 2 on ebay
by "Spencer Petri" <spetri@e-tex.com>
- 6) Re: How about we NOT push the envelope?
by John R Bookout K7JB <k7jb@uswest.net>
- 7) RE: German WW2 Procurement
by Marll McDonald <Marll.McDonald@digital.com>
- 8) ADMINISTRIVIA: Over Quoting
by listown@jackatak.theporch.com (Mail List Owner)
- 9) ADMINISTRIVIA: Over Quoting
by listown@jackatak.theporch.com (Mail List Owner)
- 10) "Boats"
by mack@mails.imed.com (Ray Mack)
- 11) Re: 6AG7-807 rigs.
by gwoods@albany.net (Gary Woods)
- 12) Radium Paint on the TBX
by David Stinson <arc5@ix.netcom.com>
- 13) PROBLEM(!) WITH HAMMAR HX-50
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 14) WTB: Surplus Conversion Handbook
by CEMILTON@aol.com
- 15) RE: Port & Starboard Antennas
by "Roy S. Morgan" <roy.morgan@nist.gov>
- 16) ANTIQUE RESISTORS
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 17) FS: Unbuilt Heathkit
by AA5QT@aol.com

Date: Wed, 23 Dec 1998 08:37:35 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [National] HRO Speakers
Message-ID: <Pine.ULT.3.96.981223083638.1510A-1000000@admin.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well after 2 tries to respond to you directly failed, I'll post to the list Ronnie.

I think there were both 8 and 10 inch models available. The front has a round ring with 3 vertical strips near the center. The National diamond is attached to the center one. Behind this is a grille of perforated metal. I think these were pictured in the back of some of the ARRL

handbooks in the ads.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Message-ID: <011501be2e83\$ee3cad60\$b4eee6ce@harrah-zeus.inav.net>
From: "The Harrahs" <harrah@ia.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: the RT-3
Date: Wed, 23 Dec 1998 08:52:30 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I remember reading [something] about something called an RT-3 in recent postings, but didn't know what it was because I am still new to all this stuff (I know almost nothing about MIL), and as it has been over a year since my last order, Fair had not sent me a new catalog. So, like a dunce the mails got deleted.

But, on advice of another very recent post regarding 600z to 8z audio xfmr's that Fair had, I made an order and got a catalog, too. NOW, I see the RT-3 ad! But, I can't remember if you guys liked the RT-3 or not. I think you did. Anybody mind sending me a repost of those emails directly, or writing new ones to me directly? I'd love to see them. If they still have any, maybe I'll order one. Only two tubes, how tough can they be to fix?

Thanks for the BW.

P.S. I need something else to do like a hole in the head! :) What is WRONG with ME!???

Merry Christmas

Wayne "Buzz" Harrah, ke0ms
harrah@ia.net (home email)
<http://www.ia.net/~harrah>

Final note: Remember the Reason for the Christmas Season...

Message-ID: <36810FA1.1EFE@bellsouth.net>
Date: Wed, 23 Dec 1998 09:43:29 -0600
From: George T Folse III <kb5wwwo@bellsouth.net>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Heath List <heath@listserv.tempe.gov>
Subject: FS/FT SB401,SB301,SB600
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ALL,

I don't know what happen,so I will try it again.
I have FS or FT SB401,SB301,SB600 with manuals,in ex condition,works.The cabinet on the 301 has been repainted by one of the preivous owners,it did not come out too good.The front panel is ex. The 401 and 600 are in ex condition. The 301 has all the filters in it.

\$250 or will trade for a Hallicrafters,Hammarlund or National rec in ex condition and value as the above items.

Thanks,
George

Message-ID: <368114E1.FB13132E@groupone.net>
Date: Wed, 23 Dec 1998 08:05:53 -0800
From: Dan Arney <kn6di@groupone.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: NEED NCX-A Spkr PS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just acquired a NCX-3 and it needs a PS/Spkr combo NCX-A or an HP-23 PS.
(thanks Brian)
73
Hank

Message-ID: <000101be2e9e\$eb2789e0\$c62519ce@enduser>
From: "Spencer Petri" <spetri@e-tex.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors" <boatanchors@theporch.com>
Subject: Hallicrafters HA 2 on ebay
Date: Wed, 23 Dec 1998 10:06:07 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nope, not mine. Just saw it there- Consumer Electronics- Ending Today- bid is < \$70.

73 de Pete WA5JCI EM 21

6 Meters WAC - WAS #490 - VUCC #361- DXCC/91

2 Meters 36 States - VUCC # 346

Message-ID: <368119D0.E7FAE71D@ptld.uswest.net>
Date: Wed, 23 Dec 1998 08:26:56 -0800
From: John R Bookout K7JB <k7jb@uswest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: How about we NOT push the envelope?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

THANK YOU JACK.

List Admin/Owner Radio Mail Lists wrote:

>
> Seasons Greetings, Folks-
>
> I have noticed that, absent a "jackatak" that ya'll just can't help
> but go WAY off topic...
>
> This little reminder is a request for help from all of you.
>
> I am BURIED in personal things and work, and I am way way far behind
> in handling some administrative tasks (like adding new people who want
> in, and posting payments and culling the list membership of the
> deadbeats who haven't yet paid -- I am counting on being able to get
> caught up over the next few days, so if you haven't paid, send me an
> email with your payment intentions or be prepared to be shut off)
>
> I mention being busy so you will understand when I fly off the handle
> at requests for advice on what to buy for a new computer (Big tube my
> ass!) or offers to sell filters for a Japanese solid-state rig... and
> procurement procedures during WWII... KNOCK IT OFF!!!!!! PLEASE!!!
>
> How about ya'll make my Holiday Gift staying on topic and keeping your
> comments germane to the spirit of the list? That way I won't have to
> start heaving people into the "Penalty Box" -- I really hate that
> part!
>
> If you have ANY doubt that you might be a tad off-topic, DON'T POST!!!
> Simple, isn't it? PLEASE help me out here, cuz I have enough headaches

> without adding a bunch of my BA friends to the mix!
>
> Let me know how I can help
> --
> 73
> Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
> listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
> "Il n'y a que les idiots qui ne changent jamais d'idee"

--

Best 73's
John K7JB

Message-ID: <542ADCE59F02D11192200000F805F69D01071CE6@ses1zk.zko.dec.com>
From: Marll McDonald <Marll.McDonald@digital.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: German WW2 Procurement
Date: Wed, 23 Dec 1998 11:26:00 -0500
MIME-Version: 1.0
Content-Type: text/plain

> I also remember reading somewhere that someone in the US held the
patent on
> prop pitch motors and that someone in Germany held the patent on the
dive
> brake. Both sides needed both, so money was sent to some neutral bank
by
> both sides for payments for using these devices. This would be a
> interesting one for someone to research out. You would think, that if
the
> above is true, that all kinds of patents would have been respected.
...

I've done some research about BA-related products by looking at their WW
II era
patents. Among the patent summaries, for German inventions in the
weekly
US Patent & Trademark Office gazette, were words equivalent to "Seized
by
the War Department". I very much doubt that the US sent any money to
Germany as we used/copied inventions described in German patent
documents.

Marll KB1AGM
Marll.McDonald@digital.com

Message-Id: <199812231714.LAA11462@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Over Quoting
Date: Wed, 23 Dec 98 11:14:59 CST

Gang-

Apparently the gentle nudge and suggestion approach to the issue of improving the quality of posts to the BoatAnchors list, and maintaining our excellent (and high) signal to noise ratio is falling on DEAF EYES!

PLEASE READ THIS AND SAVE IT BECAUSE IT IS IMPORTANT!!!

The list culture is to include only those portions of a prior post that are required to maintain the context of your comments. We have always tried to reduce the amount of "chaf" on the list, and this is one good way.

In private mail between you, a subscriber, and me,, as list manager, I really don't care one way or the other, but when posting to the list, there are at least two issues of concern:

- 1) the increased bandwidth from including extra text.
With the trial subscriptions and full members, the number of copies of each post mailed out change the impact of each extra word so that each single character becomes 1,000 characters of mail!
- 2) by not editing out included text, it sends a not at all subtle message to the list, that the poster considers his/her own time required to merely swipe his mouse across the text and tap the delete key, to be more valuable than the collective time and energy of the 600-700 readers on the list... not exactly a "positive" message! ;^)

This isn't rocket science... you place the pointer at the top of the message you are including *parts* of, and click-drag to where you need to include, and then hit the backspace or delete key... painless, easy, quick, and very helpful to the list.

PLEASE begin to pay attention to this... those who consistently can not be bothered to be considerate of the list will forfeit posting privileges and risk not being invited back for membership.

Treat the list as a symposium. In such an environment, with 600 others attending who have paid to be there, it is unlikely you would repeat someone else's portion of a conversation in its entirety as part of your own remarks... it would become very tedious, very quickly, if you

did... especially if you repeated even the closing signature block of the previous message.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Wed Dec 23 11:14:59 CST 1998

Message-Id: <199812231715.LAA11480@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Over Quoting
Date: Wed, 23 Dec 98 11:15:01 CST

Gang-

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--

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Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"

Wed Dec 23 11:15:01 CST 1998

Mime-Version: 1.0
Date: Wed, 23 Dec 1998 11:51:07 -0600
Message-ID: <001476E9.@mails.imed.com>
From: mack@mails.imed.com (Ray Mack)
Subject: "Boats"
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Let's not let this get out of hand lest Jack yell at all of us, but the answer to port and starboard makes a lot more sense when you un-abbreviate starboard into steer-board. You see in the *very* old days the steering board (it was indeed usually just a board) was on the right side of the boat/ship. Port was the side you always docked on hence the "port" side of the ship. You docked that way so as not to crunch the steer-board!

I have no idea which side they placed the DX-100 for the anchor. :<)

Ray

From: gwoods@albany.net (Gary Woods)

To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 6AG7-807 rigs.
Date: Wed, 23 Dec 1998 18:28:51 GMT
Message-ID: <36833469.17002679@mail.albany.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Wed, 23 Dec 1998 11:01:52 -0600, you wrote:

>As I recall, there was no oscillator tune, only a plate tune
>and an antenna tune. The output coil was plug-in and had
>a link to an antenna tuner plug-in coil that was set up for
>a long wire (Hi Z). The 807 was sunken into the chassis
>up to where the glass started, then shielded up to the top.

Well, I think you're on your own on this one.... (Hopefully other folks will have design article sourced).

There were so many variations, I don't see how you can go wrong. Mine, indeed, had a n untuned "Clapp" oscillator- xtal between the 6AG7 screen and control grid; 2.5MH choke in the 6AG7 plate, and pi-network output on the 807. Both cathodes were keyed at once- DON'T put your fingers across the key contacts!

I'd think you'd be true to the genre if you did any mechanical layout that pleased you (or that was close to the holes already in the chassis... most of us didn't use a new one!).

Then, there was the 6L6 XTAL oscillator direct to pi-net and antenna. Got me on the air, and even got a QSL from the FCC in Canandagua, NY (I was north of Boston at the time) when I messed up the tank values, and tuned it up on the 2nd harmonic!

Keep us posted on that project. Of course, you can only operate it between 3700 and 3750, and not faster than 10WPM!

--

Gary Woods O- K2AHC Public keys at www.albany.net/~gwoods, or get 0x1D64A93D via
keyserver
gwoods@albany.net gwoods@wrgb.com
fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B

Message-ID: <368138F2.5F88@ix.netcom.com>
Date: Wed, 23 Dec 1998 12:39:46 -0600
From: David Stinson <arc5@ix.netcom.com>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Radium Paint on the TBX
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This has been covered before but it never hurts to
read about it again. Besides-- new members come along.
(from a letter- copied to the list for general information)

> Wanted to ask you a question.
> You know that this set (has)...
> radioactive panel markings.
> How do you handle this?...
> Do you seal them with a clear coat? OR?

One thing working many years at the Nevada Test Site
tought me about was ionizing radiation :-).
Our society has been so brainwashed by the media about
ionizing radiation that it engenders more fear then it should.

Handling radiation is similar to handling fire.
In fact, heat from fire IS radiation; it's just at
a different wavelength. Ionizing radiation deserves the
same respect as fire and can be thought-of in similar ways.
A small radiation source is like a small fire and a large one
is like a large fire. You wouldn't run screaming from
a lit match, but neither would you stick your finger on it.
This is like a "small" source, such as an RBZ or TBX.
On the other hand, I would certainly get away from
a few grams of, say, Cobalt 60.
That's a LARGE source and should be treated
like a forest fire- meaning RUN! ;-)

There is no need to be nervous if you arm yourself with
the proper knowledge and respect, just as you would for fire.
The radiation levels on this gear are not threatening
in normal use or sitting on a shelf, even in close proximity.
To give you perspective-- the "hottest" rig I have is the thick
radium paint on the BC-9 meter. It's about 10 millirem/hour
contact, which means right slam-up against it.
Every inch away from it reduces that level drastically.
10 millirem/hour means if you put it in your pocket so it was
against your skin and carried it for an hour, your leg would
receive ten thousandths of a REM dose.
Assuming non-ingestion,
it takes a 100 REM whole-body dose (100,000 millirem)

to a human population
for 50% of the people to show any effect, and that is detectable
only through blood tests (change in white cell count).
90%+ of those detected will recover without proven lasting effects.
There are people who will argue theory about injury from
small doses, but my data comes from real-world evidence.
People in Denver receive much higher whole-body doses
than the general U.S. population (and more than this gear delivers)
with no detectable increase in disease in the overall population.

That having been said, the important threat
is inhaling or ingesting the stuff.
This is a real danger that should not be taken lightly.
Radium lodged in the lungs or digestive tract
means a serious increase in the chance for cancer,
because it sits there for a long time
bombarding the same set of cells.

The best way to handle radium paint that isn't flaking is
LEAVE IT ALONE.

However- Hams have a genetic inability to keep screwdrivers
out of things, so there are times you might need
to open your RBZ and do some work.
We handled this problem at The Site by using ventilation tables
and by paint fixatives.

When handling small items, we put them on a table that had vent
holes in the surface and a vent hood on top. A steady
current of air carried any loose particulates up the vent
and into a filter system to trap them.
Down in the tunnels, if there was any fear of active
particulates, we'd spray the walls and surfaces with a paint
fixative to trap them on a surface. Again- casual contact
on a surface won't hurt you; injection will.

We hobbiest don't have vent tables available,
so here are my guidelines for working on this stuff:

1. NEVER eat, drink or smoke while working with
radioactive items.
2. Work only in a well-vented area like a garage
with the big door OPEN.
DON'T work in the house where people can be exposed.
3. Place a fan blowing *gently* ACROSS your work area
toward the outside. This will blow any particulates
away from your lungs. A fast breeze will just create

eddy-currents. Make sure the path to the door is clear so no eddy-currents carry particles back to you. Radium is heavy and wants to sink to the floor. Let it. If you don't want to do this, I very much recommend at least a painter's cloth breathing mask.

4. Wash your hands with soap and water when you're finished.
5. The best way to clean a radium-painted surface is DON'T! But people will. Remember that any brushing, wiping or scrubbing you do WILL pick-up particulates. You now have a radioactive cleaning cloth. Good luck with it.
6. DON'T attempt to remove the paint to "get rid of the problem." You'll end-up with LOTS of particulates and run a serious risk of contaminating yourself and everything around you, not to mention creating a waste product for which, were you to throw it in the garbage, you could go to jail.

Sealing exposed radium paint on surfaces like the TBX or Wireless 19 sets with clear-coat should be a good idea. I've never personally had to do this. I would ask the experts because, if you use the wrong paint, the clear-coat could eventually flake off the aluminum and carry the radium with it. Someone out there knows which would be best to use.

Hope this helps,

--

Happy Holidays ES 73 DE David Stinson AB5S
arc5@ix.netcom.com

Occupied Texas, CSA

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 23 Dec 1998 13:43:40 -0500 (EST)
Subject: PROBLEM(!) WITH HAMMAR HX-50
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9812231343.aa29533@pcusa01.ecunet.org>

Welcome to the wierd world of the Drifty Fifty. May your days be merry & bright with gassy sweep tubes & runaway cathode current, may all your QSO's be on many other freqs except the one you want. The Drifty Fifty, your

permanent ticket to the surreal & strange world of Hammarlund!

Actually, to pick up another thread here, Hammarlund worked with the OSS during WWII to supply not chirpy xtals but drifty VFO's! They were so jumpy that they got a new name: frequency division multiplexing, later called spread sprectrum but most accurately, frequency hopping using a random(!) key!!

And they succeeded so well that the US Gov let 'em keep the rights to this advanced product. Hammar held it a closely guarded secret until it was needed. And that need was SSB! What other mode would so clearly & obviously show the grand 'features' of this glorious, knob-twisting circuit?

Equipment requirements: Large, heavily-weighted VFO spinner knob w/integral crank & patented AquaTread knurl (lots of sweat falls during each & every QSO, so wouldn't want you to slip off of it), very heavy, high-speed-balanced flywheel, unobtainium material shafting, 100,000 mile bearings (your mileage may vary) & high temperature grease (w/external grease fittings).

To assist in HX-Drifty alignment, wax-powdered ferrite coil slugs having integral wick and fire extinguisher, and matching wax material alignment tools.

What's the point of alignment anyway, it changes from day to day. Be brave, live on the edge, take a chance, QSO on any frequency (not ususally of your choice), create your own version of WARC bands!

Kids (of all ages), be the first in your neighborhood to do a real live simulcast, amateur on 7 MHz, broadcast on 6 MHz. Due to 6 MHz VFO energy sneaking into the 40 m bandpass, the Drifty Fifty makes this possible. Includes sample form letter to reply to the Friendly Candy Company after you get your pink ticket for goofy operation.

I'm telling you, words can't describe nor insanity hint at the wonderful, wacky world of Hammarlunge ('cause you keep needing to *lunge* at the knobs during QSOs) gear! Important note: As long as users remain on their meds, this too will pass.

(Jack, having been personally traumatized by my very own HX-50 for 20 years [I call 'em the lost decades], I just couldn't resist the above! Sorry I can't help u troubleshoot yours, as years of psychotherapy has finally purged my memory banks of the emotional detritus of this period of my life. I suggest you donate it to a local CBer. Jose G., take note!)

--John Sehring (Enemy to all things Hammarlund) WB2EQG

From: CEMILTON@aol.com
Message-ID: <fe40af6e.368149f8@aol.com>
Date: Wed, 23 Dec 1998 14:52:24 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: WTB: Surplus Conversion Handbook
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Seasons Greetings to all:

I would like to purchase a Surplus Conversion Handbook published by CQ Publications about 1967. I believe the publication number is 122. If anyone has one of these (or others of similar content) that they would be willing to part with I will be happy to discuss price, mailing, etc with you.

Thanks for the BW es Happy Holidays de KF4LYF, Chuck.

73
K

From: "Roy S. Morgan" <roy.morgan@nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Port & Starboard Antennas
Date: Wed, 23 Dec 1998 15:04:36 -0500
Message-Id: <004701be2eaf\$775842a0\$325f2e82@morganrswnt.dt.navy.mil>
Mime-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anchorites,

(Yes, it's nautical enough for us to respond from the U.S. Navy submarine design laboratory.)

From:
<http://letters.com/~gray/nautical.html>

"Starboard The right side of any craft when facing the bow. Before the advent of the stern rudder, vessels had their steering oars on the right, or steering board, or starboard side. See also larboard. "

Unfortunately the definition of "port" isn't as clear:

"Larboard The left, or port, side of any craft when facing the bow. Perhaps derived from the 13th century English word laddebord, or loading side; some suggest it goes all the way back to the Norse word hlada bord of the same meaning."

Further explanation is available at:

<http://geocities.com/CapitolHill/3883/trivia.htm>

"Starboard The Vikings called the side of their ship its board, and they placed the steering oar, the "star" on the right side of the ship, thus that side became known as the "star board." It's been that way ever since. And, because the oar was in the right side, the ship was tied to the dock at the left side. This was known as the loading side or "larboard". Later, it was decided that "larboard" and "starboard" were too similar, especially when trying to be heard over the roar of a heavy sea, so the phrase became the "side at which you tied up to in port" or the "port" side. "

Roy,
K1LK Y since 1959

---Roy Morgan
Hydrodynamics/Hydroacoustics Technology Center
Naval Surface Warfare Center, Carderock Division
9500 MacArthur Boulevard
West Bethesda, MD 20817-5700
301-227-3827 FAX: 301-227-3884----

> -----Original Message-----

> From: Paul Bernhard Sr. [mailto:w2tu@email.msn.com]

> Sent: Tuesday, December 22, 1998 10:51 PM

> To: Old Tube Radios

> Subject: Port & Starboard Antennas

>

>

> Hi all:

> First, thanks to all who replied to my query on KLIM. It was a very
> informative session.

> I have another question that I will try to verse in BA acceptable terms.
> On board the USS The Sullivans the WRC-1 is connected to the Port Vertical
> (36') and the R390A is connected to the Starboard vertical (22+'). My
> question - How did Port come to represent the left side of the ship facing
> for'd (I sound like a sailor!) and Starboard come to represent Right. Enough
> bandwidth - Help, please!

>

> Paul B. W2TU/NNN0GNB

>

> w2tu@email.msn.com
>
http://www.geocities.com/~dd537

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Wed, 23 Dec 1998 15:47:11 -0500 (EST)
Subject: ANTIQUE RESISTORS
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9812231547.aa05213@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Freebie antique resistors, not NOS but removed from old equipment (not by me!).

Are about 2" long, 1/4 or 1/8" diameter, use old color code with dot of color in middle of resistor body. Leads wrapped *around* each end leave at right angles to the body. Are 17 of them.

Also 10 slightly newer style resistors, wires stick out of each end, they look like 1, 2 & 5 watt sizes. The bodies are longer than modern resistors.

Yours for postage.

-John Sehring (11:37 am Wed, Dec 23, 1998 at Custer, SD USA) ucc wb2eqg

From: AA5QT@aol.com
Message-ID: <d9ef70c0.3681578a@aol.com>
Date: Wed, 23 Dec 1998 15:50:18 EST
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Subject: FS: Unbuilt Heathkit
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have, in its original box, an unbuilt Heathkit IT-28 Capacitor Checker. \$80 plus shipping.

73, Gary Youney K5QT

End of BOATANCHORS Digest 2349
